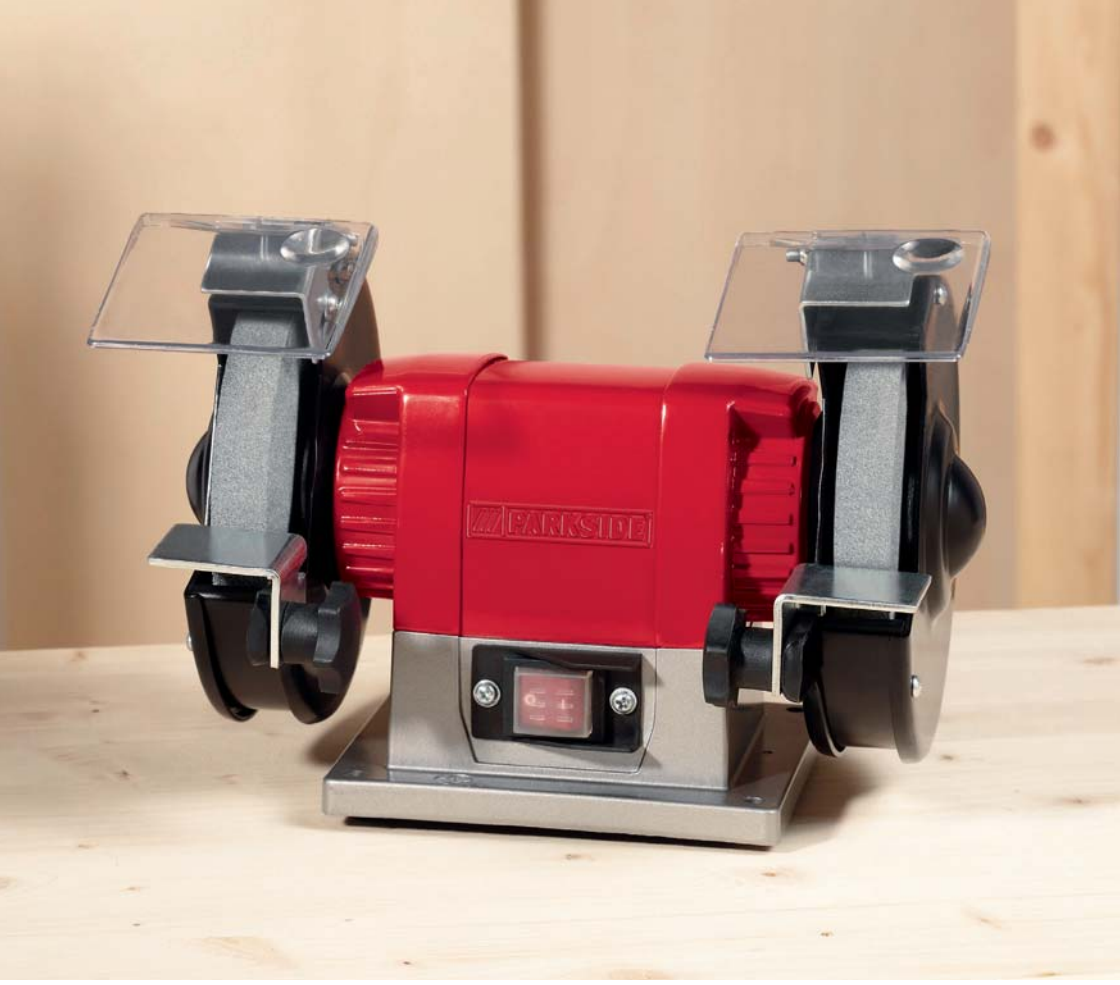

PDS 200 A

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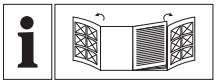
Operation and Safety Notes



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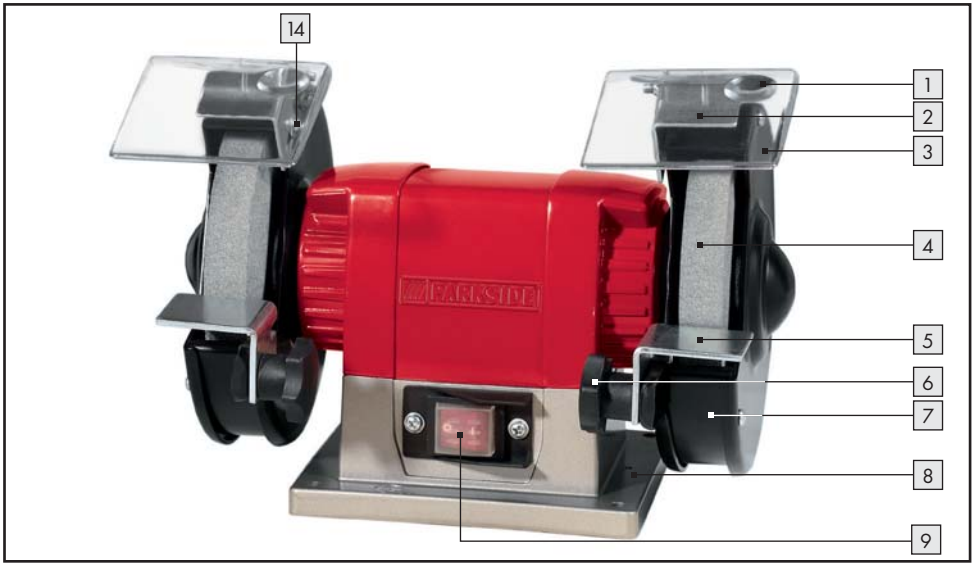
Before reading, unfold both pages containing illustrations and familiarise yourself with all functions of the device.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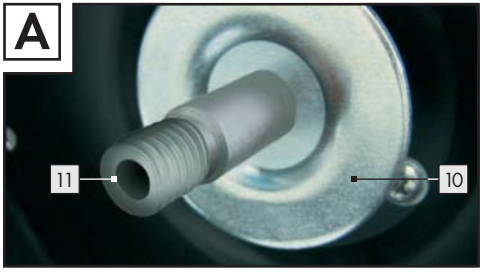
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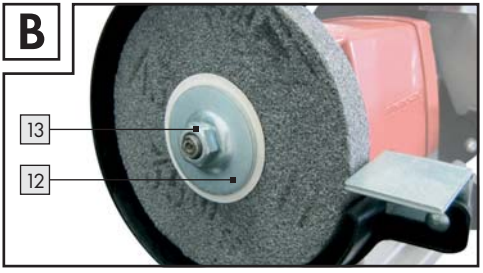
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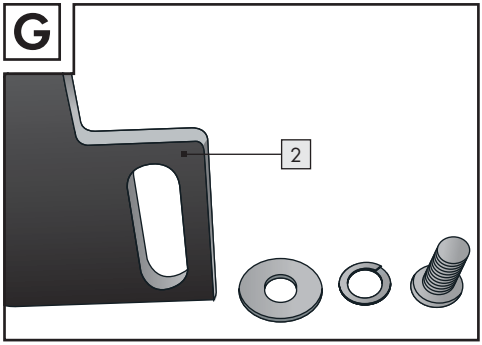
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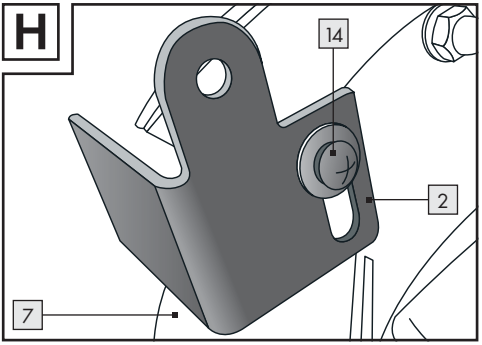
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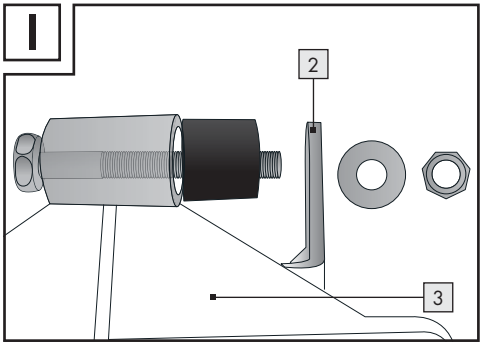
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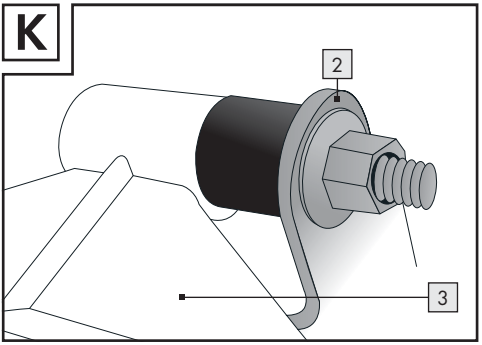
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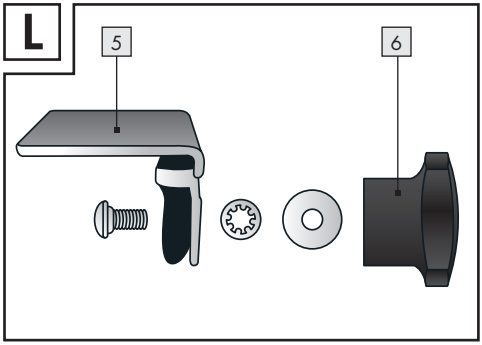
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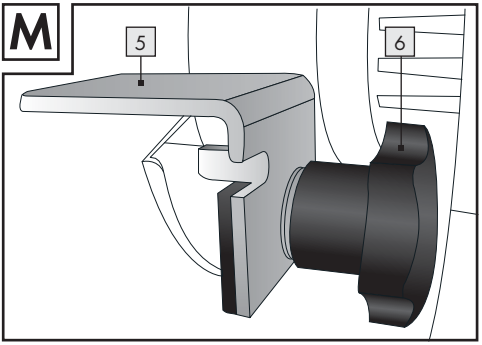
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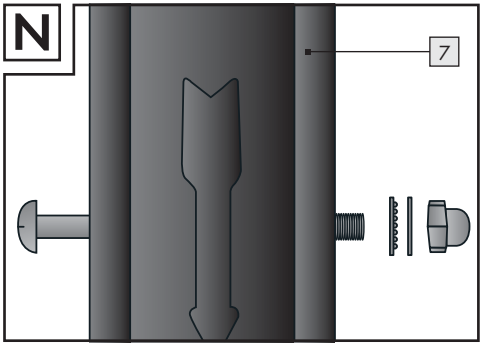
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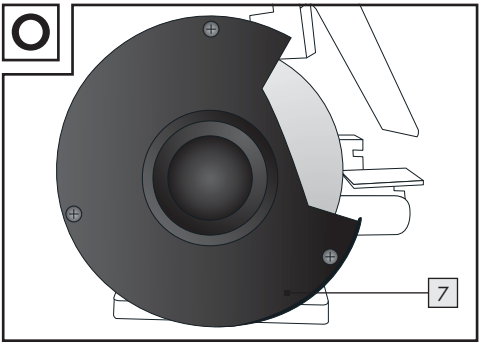
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The following pictograms are used in these operating instructions / on the device:			
	Read instruction manual!	W	Watts (effective power)
	Observe caution and safety notes!		Wear hearing protection, dust protection mask, protective glasses and protective gloves.
	Caution – electric shock! Danger to life!		Keep children away from electrical power tools!
	Risk of explosion!		For indoor use only!
	Risk of fire!		Risk of loss of life by electric shock from damaged mains lead or mains plug!
V~	Volt (AC)		Dispose packaging and appliance in an environmentally-friendly way!

Bench grinder PDS 200 A

For grinding and sharpening metal tools

Introduction

Please make sure you familiarise yourself fully with the way the device works before you use it for the first time and that you understand how to handle electrical power tools correctly. To help you do this please read the accompanying operating instructions. Keep these instructions in a safe place. If you pass the device on to anyone else, please ensure that you also pass on all the documentation.

Proper use

The double grinding machine is intended for grinding and sharpening metal tools such as drills, chisels etc. and metal items. The device is not intended for commercial use. Any other use or modification to the device shall be considered as improper use and could give rise to considerable dangers.
The manufacturer will not accept liability for loss or damage arising from improper use.

Features and equipment

1 Magnifying glass
2 Eye guard mount
3 Eye guard
4 Grinding wheel
5 Workpiece / tool rest
6 Adjuster screw for workpiece / tool rest
7 Wheel guard cover
8 Mounting holes
9 ON / OFF switch
10 Machine-side flange
11 Left-hand thread
12 Outside flange
13 Nut
14 Fastening screw

Included items

Check that all the items and accessories are present immediately after unpacking the device:

1 Bench grinder PDS 200 A with
- 2 x eye guard mounts / eye guards
- 2 x workpiece / tool rests / adjuster screws

1 Operating instructions

Technical information

Rated voltage:	230 V ~ 50 Hz
Nom. power input:	200 W
No load speed:	n_0 2.950 min^{-1}
Grinding wheel diameter:	150 mm
Grinding wheel width:	20 mm
Grinding wheel bore:	20 mm
Circumferential speed max.:	23.2 m / s
Weight including removable parts:	7.5 kg

Noise data:
Refers to A-weighted sound level.

Sound pressure level:	75.30 dB (A)
Sound level:	85.00 dB (A)

Values determined in accordance with EN 61029.

General safety advice

- **CAUTION!** In order to protect yourself from the danger of electric shock, injury or fire when using electrical power tools, please observe the following basic safety precautions. Read all these requirements before you use the electrical power tool, and keep the safety advice in a safe place.

Working safely

1. **Keep your working area clean and tidy.**
- A disorderly working area can lead to accidents.
2. **Be aware of the effects of the environment.**
- Do not leave electrical power tools out in the rain.
- Do not use electrical power tools in moist or wet surroundings.
- Ensure that your working area is well lit.
- Do not use electrical power tools in areas where there is risk of fire or explosion.

3. **Protect yourself from electric shock.**
- Avoid touching earthed objects such as pipes, heating radiators, ovens or refrigerators with parts of your body.
4. **Keep other people at a safe distance.**
- Do not allow other people, in particular children, to touch the electrical power tool or the mains lead. Keep them away from your working area.
5. **Store currently unused electrical power tools in a safe place.**
- When not being used electrical power tools should be stored in dry conditions in a high or enclosed place, out of reach of children.
6. **Do not overload your electrical power tool.**
- By keeping within the specified working range of the tool you will work more safely and achieve a better result.
7. **Use the right electrical power tool for the task.**
- Do not use low-output devices for heavy tasks.
- Do not use an electrical power tool for purposes for which it was not intended. For example, do not use a hand operated circular saw for trimming tree branches or cutting logs.
8. **Wear suitable clothing.**
- Do not wear loose-fitting clothing or jewellery. They could become caught on moving parts.
- We recommend that you wear anti-slip footwear when working outdoors.
- If you have long hair, wear a hair net.
9. **Use personal protective equipment.**
- Wear protective glasses.
- Wear a dust mask if your work generates dust.
10. **Attaching the vacuum dust extraction device.**
- Where there are connection points provided for vacuum dust extraction please ensure that the connections are made and used properly.
11. **Do not use the mains lead for purposes for which it was not intended.**

- Do not use the mains lead to pull the plug out of the mains socket. Protect the mains lead from heat, oil and sharp edges.

12. **Securely support the workpiece.**
- Use clamps or a vice to grip the workpiece firmly. This is much safer than holding it with your hand.

13. **Avoid placing your body in an unnatural position.**
- Keep proper footing and balance at all times.

14. **Look after your tools carefully.**
- Keep cutting tools sharp and clean. This way you will work more safely and achieve better results.
- Follow the advice on tool lubrication and consumables replacement.
- Check the condition of the mains lead on your electrical power tool regularly and have any damage repaired by a competent specialist.
- Check the condition of extension leads regularly and replace them if they are damaged.
- Keep handles and hand grips clean, dry and free of oil and grease.

15. **Pull the mains plug out of the mains socket.**
- Do this if the electrical power tool is not being used, before carrying out maintenance tasks on the electrical power tool and whenever you are changing inserted tools, e.g. saw blades, drills or router bits.

16. **Make sure that no spanners, keys etc. are left attached.**
- Check before switching on that all spanners, keys and setting tools have been removed.

17. **Avoid unintentionally starting up the device.**
- Check that the switch is set to OFF on the device when the mains plug is inserted into the mains socket.

18. **Using an extension lead for working outdoors.**
- When working outside, always use an approved and appropriately labelled extension lead.

19. **Remain alert.**
- Watch what you are doing. Proceed with caution. Do not use electrical power tools if you cannot concentrate.

20. **Check the electrical power tool for damage.**
- Before the electrical power tool is used, carefully check the safety equipment and any slightly damaged parts to see that they are still working properly.
- Check that all moving parts on the tool are working properly, can move freely and are not damaged. All parts must be correctly attached and fulfil all the requirements necessary to allow the electrical power tool to operate properly.
- Damaged safety equipment and components must be properly repaired or replaced at a competent electrical equipment repair centre unless otherwise indicated in the operating instructions.
- Damaged switches must be replaced at a Customer Service Centre.
- Never use an electrical power tool that cannot be switched on and off properly.

21. **CAUTION!**
- The use of inserted tools and accessories other than those recommended by the manufacturer could lead to you being injured.

22. **Have your electrical power tool repaired at an electrical equipment repair specialist.**
- This electrical power tool complies with the relevant safety regulations. Repairs may only be carried out by a specialist electrical repair centre using original spare parts, otherwise injury could occur to the user.

Safety advice relating specifically to bench grinders

- Do not touch the mains lead if it becomes damaged or cut through while you are using the device. Pull the plug out of the mains socket immediately and have the device repaired by a suitably qualified person or at your service centre.
- Do not operate the device if it is damp and do not use it in a damp environment.
- If you use the device outdoors, always connect it through a residual current device (RCD) with a maximum trip current of 30 mA.

If using an extension lead, always use one that is approved for outdoor use.
- If a dangerous situation arises, pull the mains plug immediately out of the mains socket.
- Always work with the mains lead leading away from the rear of the device.
- **DANGER OF FIRE FROM FLYING SPARKS!** Grinding metal creates flying sparks. For this reason, always make sure that nobody is placed in any danger and that there are no inflammable materials near the working area.

WARNING! **NOXIOUS FUMES!** Working with harmful / noxious dusts represents a risk to the health of the person operating the device and to anyone near the work area.
- Wear protective glasses, hearing protection, dust protection mask and protective gloves.
- **DANGER OF BURNS!** The workpiece gets hot during grinding. Never touch the part you are grinding. Allow the workpiece to cool sufficiently first. When grinding for longer periods, stop grinding from time to time and allow the workpiece to cool before continuing. Do not operate the device for continuous periods exceeding 30 minutes.
- The double grinding machine is intended for dry grinding of the surfaces of metal objects. The device may only be used for dry grinding.
- Do not grind materials containing asbestos. Asbestos is a known carcinogen.
- Do not use damaged grinding wheels 4.
- Only use grinding wheels with details that correspond with those given on the device rating plate. The circumferential speed should be equal to or greater than the value given on the device rating plate.
- Adjust the eye guard mounts 2 (spark deflectors) and the eye guards 3 periodically so that wear on the grinding wheels can be evened out. Keep the gap as small as possible.
- Avoid contact with the moving grinding wheel.
- Never leave the device working unattended.
- Never use the device for a purpose for which it was not intended.
- Before you insert the mains plug into the socket, always check that the device is switched off.
- Always switch the device on before bringing the workpiece into contact with the grinding wheel. After grinding, lift off the workpiece before switching the device off.
- Hold the workpiece firmly with both hands at all times when working.
- Always keep proper footing and balance.
- After you have finished grinding metal, allow the grinding wheel(s) to come to a standstill.
- When taking a break from your work, before carrying out any tasks on the device itself and when you are not using the device, always pull the mains plug out of the mains socket.
- Handle the device carefully and treat it with respect. Always keep the device clean, dry and free of oil or grease.
- Remain alert at all times! Always watch what you are doing and proceed with caution. Do not use the device if you cannot concentrate or you are feeling unwell.
- Store grinding wheels in such a way that they are not subject to mechanical loads or damaging environmental influences.

Before use

Assembly

□ Before using the device for the first time make sure that you have fitted all its parts.

1) Attach the two eye guard mounts 2 to the inside of the wheel guard covers 7, one each on the left and right sides. Use the illustrated fixings in the arrangement shown (see Figs. G, H).
2) Attach the eye guards 3 to the eye guard mounts 2, one each on the left and right sides. Use the illustrated fixings in the arrangement shown (see Figs. I, K).
   Note: The illustrations show the left side.
3) Attach the two workpiece / tool rests 5 to the inside of the wheel guard covers 7, one each on the left and right sides. Use the illustrated fixings in the arrangement shown (see Figs. L, M).
   Note: The illustrations show the left side.

□ Mount the double grinding machine on a firm, level surface, if at all possible on a fixed support, e.g. working surface, workbench. Use the

four mounting holes 8 and suitable fixings (not supplied). Refer to Figure C.

● Positioning the workpiece / tool rests and eye guard mounts

To ensure safe working, the workpiece / tool rests 5, the eye guards 3 and the eye guard mounts 2 must be correctly positioned.

□ Check and correct the settings at frequent intervals to ensure even wear on the grinding wheels 4.

Adjusting the workpiece / tool rests:

1) To adjust the setting, first loosen the adjuster screw 6.
2) Bring the workpiece / tool rest 5 close up to the grinding wheel 4, the distance between the grinding wheel 4 and the workpiece / tool rest 5 must be no more than 2 mm.
3) Retighten the adjuster screw 6 and check using your hand that the grinding wheel 4 movement is true and free.

Adjusting the eye guard mounts:

1) To adjust the setting, first loosen the fastening screw 14.
2) Bring the eye guard mount 2 close up to the grinding wheel 4, the distance between the grinding wheel 4 and the eye guard mount 2 must be no more than 2 mm.
3) Retighten the fastening screw 14 and check using your hand that the grinding wheel 4 movement is true and free. A worn out grinding wheel 4 needs to be replaced. This is necessary when the specified gap cannot be achieved even after readjusting the positions of the workpiece / tool rest 5 and / or the eye guard mount 2.

● Preparing for first use

● Switching on and off

Switching on:

□ Press the ON / OFF switch 9 into the "1" position to switch the device on and run it at a constant speed.

Switching off:

□ Press the ON / OFF switch 9 into the "0" position to switch the device off.

● Grinding a workpiece

NOTE: Use the fine grinding wheel for precise grinding tasks (grade "A80M").
NOTE: Use the coarse grinding wheel for rough grinding tasks (grade "A36M").

□ Switch on the machine as described above.
□ To grind metal tools or metal items, place the workpiece on the workpiece / tool rest 5 and slowly bring it up to the grinding wheel 4.
□ Press the workpiece carefully against the grinding wheel 4. Pressing too hard can overload the device. When grinding always use the circumferential end face (not the sides) of the grinding wheel only (See Figures D, E, F).

● Replacing a grinding wheel

⚠ **WARNING! RISK OF INJURY!** Before carrying out any tasks on the device itself and when you are not using the device, always pull the mains plug out of the mains socket.

■ Do not use damaged grinding wheels.
■ Only use grinding wheels with details that correspond with those given on the device rating plate. The circumferential speed should be equal to or greater than the value given on the device rating plate.
□ Only grinding wheels with markings indicating the manufacturer, the type of adhesive, dimensions and permitted circumferential speed are to be used. If you install new grinding wheels carry out a ringing test before use. Grinding wheels in good condition give a clear ringing noise when struck lightly with a plastic hammer.

1) Take off the outer part of the wheel guard cover 7 by unscrewing the 3 threaded fixings (see Figs. N, O).

2) Release the nut 13 and then remove the outside flange 12.
3) Now replace the grinding wheel and reassemble all the components in the reverse order. Take note that the left-hand side of the double grinding machine has a left-hand thread 11 and the right-hand side has a right-hand thread. This ensures that the nuts 13 can only be screwed off in the direction of rotation of the spindle.

□ Use only the supplied flanges to mount the grinding wheels.

Note: The grinding wheels are fitted with a ½" adapter so that they can be used with grinding wheels purchased later with either a ½", or a 20 mm bore. Grinding wheels are available in various grit grades and hardnesses. The central fixing holes in grinding wheels must not be redrilled.

● Original accessories / Attachments

■ Use only the accessories and attachments detailed in the operating instructions. The use of inserted tools or accessories other than those recommended in the operating instructions could lead to you suffering an injury.

● Maintenance and cleaning

⚠ **WARNING! RISK OF INJURY!** Before carrying out any tasks on the device itself and when you are not using the device, always pull the mains plug out of the mains socket.

The device is largely maintenance-free.

□ Clean the device frequently. For best results, clean the double grinding machine immediately after you have finished using it.
□ Do not allow any liquids to enter the device. Use a dry cloth to clean the device.
□ Do not under any circumstances use petrol or strong solvents.
□ Store the device in a dry room.

● Service

⚠ **WARNING! Have your device repaired at the service centre or by qualified specialist personnel using original manufacturer parts only.** This will ensure that your device remains safe to use.

⚠ **WARNING! If the plug or lead needs to be replaced, always have the replacement carried out by the manufacturer or its service centre.** This will ensure that your device remains safe to use.

● Warranty

This appliance is guaranteed for 3 years from the date of purchase. It has been carefully produced and meti-culously checked before delivery. Please keep your receipt as proof of purchase. Contact your service centre by telephone in case of questions pertaining to the warranty. Your goods can be transmitted free of cost only in this manner. This warranty applies only to the initial purchaser and is non-transferable.

The warranty covers only material or manufacturing faults, not normal wear or damage to fragile parts such as switches or rechargeable batteries. The appliance is intended solely for private, not commercial, use.

If this product has been subjected to improper or inappropriate handling, abuse, or interventions not carried out by one of our authorised sales and service outlets, the warranty will be considered void. This warranty does not affect your statutory rights.

GB

DES UK LTD
Tel.: 0871 5000 700 (£ 0,10 / minute)
e-mail: support.uk@kompernass.com

IE

Kompernaß Service Ireland
Tel.: 1850 930 412 (0,082 €/Min.)
*** Standard call rates apply.**
Mobile operators may vary.
e-mail: support.ie@kompernass.com

● Disposal

The packaging is wholly composed of environmentally-friendly materials that can be disposed of at a local recycling centre.

Do not dispose of electrical power tools with the household rubbish!

In accordance with European Directive 2002/96/EC (covering waste electrical and electronic equipment) and its transposition into national legislation, worn out electrical power tools must be collected separately and taken for environmentally compatible recycling.

Contact your local refuse disposal authority for more details of how to dispose of your worn out electrical devices.

● Declaration of Conformity / Manufacturer CE

We, Kompernaß GmbH, Burgstr. 21, D-44867 Bochum, Germany, declare that this product complies with the following EU directives:

Machinery Directive (98 / 37 / EC)

EU Low Voltage Directive (2006 / 95 / EC)

Electromagnetic Compatibility (2004 / 108 / EC)

Type / Device description:
Parkside Bench grinder PDS 200 A

Bochum, 31.10.2009

Hans Kompernaß
- Managing Director -

We reserve the right to make technical modifications in the course of further development.

IAN 37837

KOMPERNASS GMBH
Burgstraße 21
D-44867 Bochum

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Last Information Update: 10 / 2009
Ident.-No.: PDS 200 A102009-6